

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/075017 A1

(51) International Patent Classification⁷: A61N 1/05, A61F 2/48

(21) International Application Number: PCT/AU2005/000135

(22) International Filing Date: 2 February 2005 (02.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 2004900538 4 February 2004 (04.02.2004) AU

(71) Applicant (for all designated States except US): VEN-TRACOR LIMITED [AU/AU]; 126 Greville Street, Chatswood, NSW 2067 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AYRE, Peter, Joseph [AU/AU]; 31A Devonshire Street, Crows Nest NSW 2065, Australia (AU). WOODARD, John, Campbell [AU/AU]; 27 Wareemba Avenue, Thornleigh, NSW 2120 (AU). BEGG, John, Donald [AU/GB]; 1 Loveday Close, Chrishall nr Royston, Herts SG8 8UA (AU).

(74) Agent: HODGKINSON McINNES PAPPAS; Level 3, 20 Alfred Street, Milsons Point, NSW 2061 (AU).

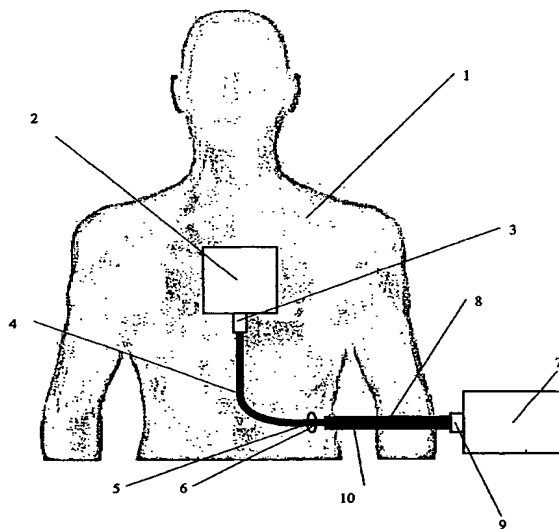
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG):

Published:
— with international search report

[Continued on next page]

(54) Title: AN IMPROVED PERCUTANEOUS LEAD



(57) Abstract: A percutaneous lead assembly (10) for supplying electrical signals to a medical device (2) implanted within a body of a patient (1). The lead assembly comprising a flexible elongate member having a first portion (8) adapted to remain external to the body of a patient. The first portion having a first diameter and a second portion (4) joined to the first portion and adapted to extend through a hole (5) in a skin layer of the body of the patient. The second portion having a second diameter which is substantially smaller than the first diameter.

WO 2005/075017 A1

WO 2005/075017 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.